

ABSTRACT OF THE DISCLOSURE

A specific write power control method used for an optical disk drive is provided. This method relates to how to measure the writing quality and how to set write power for the next zone while settling the linear velocity so that each zone of an optical disk is provided with different linear velocity.

At the time of zone switching, writing performed by the head facing an optical disk is interrupted. The head is moved to seek to a given return point in a written area. At the return point, the head is moved toward the next zone, and also a motor for rotating the optical disk is accelerated so that the linear velocity of the motor becomes the linear velocity of the next zone. During the acceleration, the written area is read to measure the writing quality. From the measured writing quality, write power for the next zone is set. At a point of time when the motor reaches the linear velocity of the next zone and the head reaches the next zone, restarting the writing to the optical disk is restarted.

Selected Drawing: Fig. 2